



COMMONWEALTH of VIRGINIA

DEPARTMENT OF FORENSIC SCIENCE

CENTRAL LABORATORY
A Nationally Accredited Laboratory

700 NORTH 5TH STREET
RICHMOND, VIRGINIA 23219
(804) 786-6971

CERTIFICATE OF INSTRUMENT ACCURACY

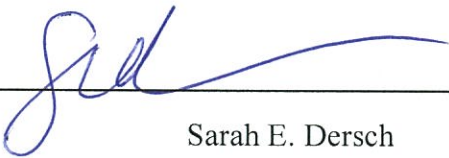
INSTRUMENT: Intox EC/IR II
SERIAL NUMBER: 010504
CERTIFICATION DATE: January 24, 2014
DATE RECERTIFICATION DUE: July 23, 2014

The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science as required by §9.1-1101 (B)(3). Measurement traceability is established through the use of reference materials supplied by an ISO/IEC 17025:2005 accredited calibration laboratory.

Estimation of Uncertainty of Measurement:

0.020 ± 0.004 g/210 L	0.150 ± 0.007 g/210 L
0.080 ± 0.004 g/210 L	0.250 ± 0.007 g/210 L

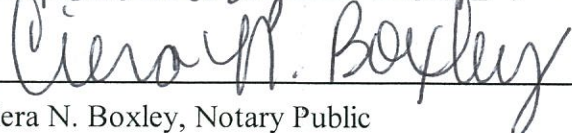
The Uncertainty of Measurement is reported at the 99.73% level of confidence and a coverage factor of $k=3$. The estimation of the Uncertainty of Measurement is calculated for the Certification process only.



Sarah E. Dersch
Forensic Scientist

CITY OF RICHMOND
COMMONWEALTH OF VIRGINIA

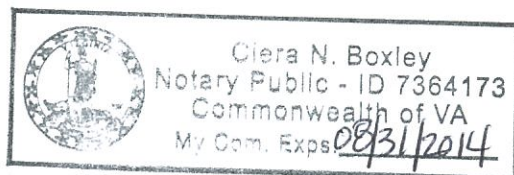
The foregoing was acknowledged before me this 16th day of
February, 2014 by Sarah E. Dersch



Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014

mbk



Department of Forensic Science
Breath Alcohol Section
Instrument Maintenance History
1/1/1990 To 1/24/2014

DBH
gnd

Instrument Serial Number: 010504	As of 24-Jan-14
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Maintenance Date	Certification Date	Technician Initials	Remarks
24-Jan-14	24-Jan-14	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
05-Aug-13	05-Aug-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
25-Feb-13	25-Feb-13	DBH (21250)	CERTIFIED.
05-Sep-12	05-Sep-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
23-Mar-12	23-Mar-12	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
08-Nov-11	08-Nov-11	DBH (21250)	CERTIFIED. REPLACED DRY GAS STANDARD.
27-Jun-11	19-May-11	DBH (21250)	REPLACED DRY GAS STANDARD
19-May-11	19-May-11	DBH (21250)	CERTIFIED
29-Nov-10	29-Nov-10	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
15-Jun-10	15-Jun-10	DBH (21250)	CERTIFIED
05-May-10	28-Dec-09	DBH (21250)	REPLACED DRY GAS STANDARD
28-Dec-09	28-Dec-09	DBH (21250)	REPLACED DRY GAS STANDARD, CERTIFIED
14-Jul-09	14-Jul-09	DBH (21250)	CERTIFIED.
05-Mar-09	05-Mar-09	DBH (21250)	CERTIFIED.
04-Mar-09	04-Mar-09	NMJ (22392)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
17-Oct-08	17-Oct-08	DBH (21250)	CALIBRATED, CERTIFIED AND ACCEPTED.

DBH
JH

INTOX EC/IR II Quality Assurance Worksheet

Instrument Serial Number 010504 Worksheet Start Date 1/24/2014
Location Poquoson PD
Address 774 Poquoson Ave Poquoson VA 23662
DFS Technician Donald Hall License No. 21250
☐ Laboratory ☒ On-Site

Site Specification: No detrimental environmental conditions exist. ☒

Instrument Barometer (mm HG) 771 Reference Barometer (mm HG) 773
Reference Barometer(RB)Serial # 009109 RB Calibration Due 8/1/2014

Measurement Assurance Check

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.305
0.300	0.304	0.294	0.313	Sample 2	0.305
Precision		sample min	sample max	Sample 3	0.304
0.001		0.304	0.305		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.102
0.100	0.101	0.097	0.104	Sample 2	0.102
Precision		sample min	sample max	Sample 3	0.102
0		0.102	0.102		

Dry gas standard Lot No. (with tank no.) AG226201-16

☒ Replaced dry gas standard (+O-ring)

☐ Installed at Location

☐ Removed to DFS-Central

Supplies
Mouthpieces
Certificates of Analysis
Operator Worksheet
Other:

25

50

Notes:

Instrument Serial Number

010504

Certification Date

1/24/2014

☐ Calibrated☒ Certified☒ Measurement Assurance Check☒ Instrument Test☐ Troubleshooting/Maintenance Worksheet Completed

(Successful completion denotes satisfactory condition of the item.)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.250
0.250	0.254	0.246	0.261	Sample 2	0.250
Precision		sample min	sample max	Sample 3	0.249
0.001		0.249	0.250		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.151
0.150	0.152	0.147	0.156	Sample 2	0.151
Precision		sample min	sample max	Sample 3	0.151
0		0.151	0.151		

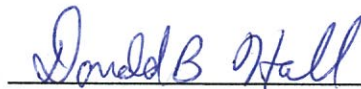
Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.081
0.080	0.081	0.078	0.084	Sample 2	0.081
Precision		sample min	sample max	Sample 3	0.081
0		0.081	0.081		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.020
0.020	0.020	0.017	0.023	Sample 2	0.020
Precision		sample min	sample max	Sample 3	0.020
0		0.020	0.020		

All measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

DFS Technician



Date

1/24/14

Issuing Analyst


msk

Date

2/3/14

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010504 Test Number: 410

Test Date: 01/24/2014 Test Time: 13:33 EST

Technician Initials: DBH

Dry Gas Target: 0.254

Lot Number: 2961225012-09 Exp Date: 11/01/2014

Tank Pressure: 575 psi Barometric Pressure: 771 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:34
BLK	0.000	13:34
CHK	0.250	13:35
BLK	0.000	13:37
CHK	0.250	13:37
BLK	0.000	13:39
CHK	0.249	13:40
BLK	0.000	13:41

Success

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

DBH
Jed

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010504 Test Number: 411

Test Date: 01/24/2014 Test Time: 13:44 EST

Technician Initials: DBH

Dry Gas Target: 0.152

Lot Number: 2951215012-03 Exp Date: 11/01/2014

Tank Pressure: 164 psi Barometric Pressure: 771 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:45
BLK	0.000	13:45
CHK	0.151	13:46
BLK	0.000	13:47
CHK	0.151	13:48
BLK	0.000	13:50
CHK	0.151	13:51
BLK	0.000	13:52

Success

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

DBH
ZCH

Intox EC/IR-II: Certification

DBH
SCL

Department of Forensic Science

Serial Number: 010504 Test Number: 412
Test Date: 01/24/2014 Test Time: 13:55 EST

Technician Initials: DBH

Dry Gas Target: 0.081

Lot Number: 0771308012-01 Exp Date: 05/01/2015

Tank Pressure: 742 psi Barometric Pressure: 771 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:55
BLK	0.000	13:56
CHK	0.081	13:57
BLK	0.000	13:58
CHK	0.081	13:59
BLK	0.000	14:00
CHK	0.081	14:01
BLK	0.000	14:02

Success

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Intox EC/IR-II: Certification

Department of Forensic Science

Serial Number: 010504 Test Number: 413

Test Date: 01/24/2014 Test Time: 14:04 EST

Technician Initials: DBH

Dry Gas Target: 0.020

Lot Number: 0771302011-02 Exp Date: 05/01/2015

Tank Pressure: 664 psi Barometric Pressure: 770 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	14:05
BLK	0.000	14:06
CHK	0.020	14:06
BLK	0.000	14:08
CHK	0.020	14:08
BLK	0.000	14:10
CHK	0.020	14:10
BLK	0.000	14:12

Success

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

DBH
Sed

Intox EC/IR-II: Accuracy Check

Department of Forensic Science

Serial Number: 010504 Test Number: 414

Test Date: 01/24/2014 Test Time: 14:14 EST

Dry Gas Target: 0.304

Lot Number: AG322702-07 Exp Date: 08/15/2015

Tank Pressure: 154 psi Barometric Pressure: 770 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:15
CHK	0.305	14:15
BLK	0.000	14:17
CHK	0.305	14:18
BLK	0.000	14:20
CHK	0.304	14:21

Test Status: *Success*

Calibration CRC: 8D62B7A2

LBH

gcl

Intox EC/IR-II: Accuracy Check

DBH
sid

Department of Forensic Science

Serial Number: 010504 Test Number: 415

Test Date: 01/24/2014 Test Time: 14:24 EST

Dry Gas Target: 0.101

Lot Number: AG226201-16 Exp Date: 09/18/2014

Tank Pressure: 183 psi Barometric Pressure: 770 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	14:25
CHK	0.102	14:26
BLK	0.000	14:27
CHK	0.102	14:28
BLK	0.000	14:29
CHK	0.102	14:30

Test Status: *Success*

Calibration CRC: 8D62B7A2

DBH
Jol




COMMONWEALTH OF VIRGINIA
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

NAME OF ACCUSED INSTRUMENT, TEST,	NAME OF COURT DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY HALL, DONALD, B		AGENCY DFS Central Lab
DFS LICENSE NUMBER 21250	LICENSE EXPIRES 10/01/2014	DATE TEST CONDUCTED 01/24/2014
TEST EQUIPMENT NUMBER 010504		

RESULTS: TIME SAMPLE TAKEN **14:40 EST**

SAMPLE'S ALCOHOL CONTENT **0.00** GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS _____ DAY OF _____, 20 _____.

BREATH TEST OPERATOR

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS _____
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS _____
OPERATOR'S SIGNATURE

FOR COURT



IntoxNet MIS Report

Report Generated 24 Jan 2014 at 16:30

DBH
sed

Test Results

Instrument Serial Number 010504

Test # 000416 Subject Test

Test Location 1 Department of
Test Date 24 Jan 2014

Test Location 2 Forensic Science
Test Time 14:33
Remote/Local Local

Test Location 3
System Check Passed

Operator's Last Name HALL
Agency DFS Central Lab

Operator's First Name DONALD

Operator's Middle Initial B
License Number 21250

Card Serial Number 121250

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 24 Jan 2014 End Time 14:41

Result Time 14:40

Result Date 24 Jan 2014 Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 14:34

Data Type BLK

Sample Value 0.000

Sample Time 14:34

Data Type CHK

Sample Value 0.102

Sample Time 14:35

Data Type BLK

Sample Value 0.000

Sample Time 14:37

Data Type SUBJ

Sample Value 0.000

Sample Time 14:37

Data Type BLK

Sample Value 0.000

Sample Time 14:38

Data Type SUBJ

Sample Value 0.000

Sample Time 14:40

Data Type BLK

Sample Value 0.000

Sample Time 14:41

Standard Type Dry Gas Std

Standard Value 0.101

Standard Lot Number AG226201-16

Standard Expiration Date 09/18/2014

Tank Pressure 174

Barometric Pressure 770 mmHg

Blow Sample Number 1 Blow Duration 3.70 sec

Blow Volume 1888 cc End-of-Blow Time 14:37

Blow Sample Number 2 Blow Duration 4.16 sec

Blow Volume 2192 cc End-of-Blow Time 14:40

Tamper Evident Stamp 2c09110d

Test Status Code 0

Test Status Success